

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/749,972

DATE: 04/24/2001  
 TIME: 11:15:00

Input Set : N:\Crf3\RULE60\09749972.txt  
 Output Set: N:\CRF3\04242001\I749972.raw

#2

ENTERED

4 <110> APPLICANT: Burnham, Martin K. R.  
 5 Zalacain, Magdalena  
 6 Biswas, Sanjoy  
 7 Chalker, Alison F.  
 8 Ingraham, Karen A.  
 9 Traini, Christopher M.  
 10 Warren, Patrick V.  
 12 <120> TITLE OF INVENTION: tdk  
 15 <130> FILE REFERENCE: GM10201  
 17 <140> CURRENT APPLICATION NUMBER: 09/749,972  
 18 <141> CURRENT FILING DATE: 2000-12-28  
 20 <150> PRIOR APPLICATION NUMBER: 09/259,109  
 21 <151> PRIOR FILING DATE: 1999-02-26  
 23 <160> NUMBER OF SEQ ID NOS: 3  
 25 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 639  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Streptococcus pneumoniae  
 32 <400> SEQUENCE: 1  
 33 atgtcaaaaag gatttttagt ctctcttgag ggaccagagg gagcaggcaa gaccagtgtt 60  
 34 ttagaggctc tgctaccaat tttagaggaa aaaggagtag aggtgttgac gacccgtaga 120  
 35 cctggcgagg tcttgattgg ggagaagatt cgggaagtga ttttgatcc aagtcatact 180  
 36 cagatggatg ctaaaacaga gctacttctc tatattgcc a gtcgcagaca gcatttggtg 240  
 37 gaaaaagttc ttccagccct tgaagctggc aagttgggtca tcatggatcg ttttatcgat 300  
 38 agttctgttg cctatcaggg atttggtcgt ggcttagata ttgaagccat tgactggctc 360  
 39 aatcagtttg cgacagatgg gctcaaaccg gatttgacac tctattttga catcgaggtg 420  
 40 gaagaagggc tggctcgtat tgctgcgaat agtgaccgag aggttaatcg tttggatttg 480  
 41 gaagggttgg acttgcataa aaaagttcgt caaggctacc tttctcttct ggataaagag 540  
 42 ggaaatcgca ttgtcaagat tgatgctagt ctcccttttg agcaagttgt ggaaactacc 600  
 43 aaggctgtct tgtttgacgg aatgggcttg gccaaatga 639  
 45 <210> SEQ ID NO: 2  
 46 <211> LENGTH: 212  
 47 <212> TYPE: PRT  
 48 <213> ORGANISM: Streptococcus pneumoniae  
 50 <400> SEQUENCE: 2  
 51 Met Ser Lys Gly Phe Leu Val Ser Leu Glu Gly Pro Glu Gly Ala Gly  
 52 1 5 10 15  
 53 Lys Thr Ser Val Leu Glu Ala Leu Leu Pro Ile Leu Glu Glu Lys Gly  
 54 20 25 30  
 55 Val Glu Val Leu Thr Thr Arg Glu Pro Gly Gly Val Leu Ile Gly Glu  
 56 35 40 45  
 57 Lys Ile Arg Glu Val Ile Leu Asp Pro Ser His Thr Gln Met Asp Ala  
 58 50 55 60  
 59 Lys Thr Glu Leu Leu Leu Tyr Ile Ala Ser Arg Arg Gln His Leu Val  
 60 65 70 75 80  
 61 Glu Lys Val Leu Pro Ala Leu Glu Ala Gly Lys Leu Val Ile Met Asp

## RAW SEQUENCE LISTING

DATE: 04/24/2001

PATENT APPLICATION: US/09/749,972

TIME: 11:15:00

Input Set : N:\Crf3\RULE60\09749972.txt

Output Set: N:\CRF3\04242001\I749972.raw

```

62          85          90          95
63 Arg Phe Ile Asp Ser Ser Val Ala Tyr Gln Gly Phe Gly Arg Gly Leu
64          100          105          110
65 Asp Ile Glu Ala Ile Asp Trp Leu Asn Gln Phe Ala Thr Asp Gly Leu
66          115          120          125
67 Lys Pro Asp Leu Thr Leu Tyr Phe Asp Ile Glu Val Glu Glu Gly Leu
68          130          135          140
69 Ala Arg Ile Ala Ala Asn Ser Asp Arg Glu Val Asn Arg Leu Asp Leu
70          145          150          155          160
71 Glu Gly Leu Asp Leu His Lys Lys Val Arg Gln Gly Tyr Leu Ser Leu
72          165          170          175
73 Leu Asp Lys Glu Gly Asn Arg Ile Val Lys Ile Asp Ala Ser Leu Pro
74          180          185          190
75 Leu Glu Gln Val Val Glu Thr Thr Lys Ala Val Leu Phe Asp Gly Met
76          195          200          205
77 Gly Leu Ala Lys
78          210
80 <210> SEQ ID NO: 3
81 <211> LENGTH: 25
82 <212> TYPE: DNA
83 <213> ORGANISM: Streptococcus pneumoniae
85 <400> SEQUENCE: 3
86 aactgagact ggctttaaga gatta

```

25

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/749,972

DATE: 04/24/2001

TIME: 11:15:01

Input Set : N:\Crf3\RULE60\09749972.txt

Output Set: N:\CRF3\04242001\I749972.raw